

PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:	Rasanen	Examiner:	UNKNOWN
Serial No.:	TO BE ASSIGNED	Group Art Unit:	TO BE ASSIGNED
Filed:	October 31, 2001	Docket No.:	975.375USW1
Title:	METHOD AND SYSTEM FOR ESTABLISHING A CONNECTION		

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The undersigned hereby certifies that this Transmittal Letter and the paper or fee, as described herein, are being deposited with the United States Postal Service 'Express Mail Post Office To Addressee' service under 37 CFR 1.10 and is addressed to the Assistant Commissioner for Patents, Washington, D.C. 20231

By: 

Karl Arnold

PRELIMINARY AMENDMENT

Box Patent Application
Assistant Commissioner for Patents
Washington, D.C. 20231

Dear Sir:

Please enter the following preliminary amendment into the above-referenced application.

ABSTRACT

Please insert the attached abstract into the application as the last page thereof.

CLAIMS

Please delete claims 1-33. Please enter new claims 34-65 as follows. A clean copy of the new claims is included below.

34. (NEW) A method for establishing a connection in a telecommunication network comprising different protocols, and an interworking function (MSC, IWF) for adapting the different protocol features used for a connection between the calling terminal and

the interworking function and the interworking function and the called party, comprising the steps of:

- a) receiving at the interworking function from a terminal a request to establish a connection of a first type (multimedia connection) using first protocol features;
- b) performing a setup processing according to the first protocol features used for the first type of connection between the interworking function and the called party;
- c) determining a second type of connection;
- d) checking the result of said setup processing; and, when said checking step indicates that said setup processing was not successful,
- e) establishing said second type of connection between the interworking function and the called terminal and changing the connection between the terminal and the interworking function to the second type of connection.

35. (NEW) A method according to claim 34, wherein said determination step comprises a monitoring operation performed in a network element arranged between the calling party and said called party.

36. (NEW) A method according to claim 35, wherein a connection fallback from said first type of connection to said second type of connection is performed in said network element.

37. (NEW) A method according to claim 35, wherein at least one type of connection supported by said called party is determined as said second type of connection in said

network element by monitoring a signaling for call establishment, and wherein the call is re-established based on the determination result.

38. (NEW) A method according to claim 37, wherein the determination result is signaled to said calling party which then performs the call re-establishment operation.

39. (NEW) A method according to claim 34, wherein said first type of connection is a multimedia connection.

40. (NEW) A method according to claim 34, wherein said second type of connection is a speech connection.

41. (NEW) A method according to claim 34, further comprising the step of establishing said first type of connection, when said result of said checking step indicates that said handshake processing was successful.

42. (NEW) A method according to claim 34, wherein said first type of connection is a video connection.

43. (NEW) A method according to claim 34, wherein said handshake processing is an interworking processing.

44. (NEW) A method according to claim 34, wherein said first type of connection is a connection between a mobile terminal and a network terminal of a fixed network.

45. (NEW) A method according to 34, wherein said second type of connection is determined on the basis of said handshake processing.

46. (NEW) A method according to claim 34, wherein said second type of connection is determined by performing another handshake processing with said called party.

47. (NEW) A method according to claim 34, wherein said second type of connection is determined on the basis of the calling number of said called party.

48. (NEW) A method according claim 34, wherein said second type of connection is determined on the basis of a predetermined priority order.

49. (NEW) A method according to claim 34, wherein said first type of connection is compliant with the ITU-T Recommendation H.324.

50. (NEW) A method according to claim 34, wherein said second type of connection is established by performing a channel mode modification and changing switching.

51. (NEW) A method according to claim 34, further comprising the step of establishing a HSCSD call to said called party.

52. (NEW) A system for establishing a connection in a telecommunication network comprising different protocols, comprising:

a) negotiating means implemented as an interworking function (MSC, IWF) for adapting the different protocol features used for a connection between a calling terminal and the interworking function and the interworking function and a called party, said negotiating means being adapted for, when receiving at the interworking function from a terminal a request to establish a connection of a first type (multimedia connection) using first protocol features, performing a setup processing according to the first protocol features used for the first type of connection between the interworking function and the called party;

b) determining means for determining a second type of connection;

c) checking means for checking the result of said setup processing; and

d) connection control means for establishing said second type of connection between the interworking function and the called terminal and changing the connection between the terminal and the interworking function to the second type of connection, in response to the checking result of said checking means.

53. (NEW) A system according to claim 52, wherein said determination means is provided in a network element arranged between the calling party and said called party, and is adapted to perform a monitoring operation.

54. (NEW) A system according to claim 53, wherein a connection fallback from said first type of connection to said second type of connection is performed in said network element.

55. (NEW) A system according to claim 53, wherein at least one type of connection supported by said called party is determined as said second type of connection in said determining means by monitoring a signaling for call establishment, wherein said connection control means is arranged to re-establish the call based on the determination result.

56. (NEW) A system according to claim 55, wherein said connection control means is arranged at said calling party, and wherein the determination result is signaled by said determining means to said calling party.

57. (NEW) A system according to claim 52, wherein said first type of connection is a multimedia connection.

58. (NEW) A system according to claim 52, wherein said second type of connection is a speech connection.

59. (NEW) A system according to claim 53, wherein said network element is an interworking unit.

60. (NEW) A system according to claim 59, wherein said interworking unit is arranged to check said first type of connection.

61. (NEW) A system according to claim 34, wherein said interworking function is arranged to check said first type of connection.

62. (NEW) A system according to claim 52, wherein said determining means is arranged to determine said second type of connection on the basis of an information obtained from said handshake processing.

63. (NEW) A system according to claim 52, wherein said determining means is arranged to determine said second type of connection by performing another handshake processing with said called party.

64. (NEW) A system according to claim 52, wherein said determining means is arranged to determine said second type of connection on the basis of the calling number of said called party.

65. (NEW) A system according to claim 52, wherein said determining means is arranged to determine said second type of connection on the basis of a predetermined priority order.

REMARKS

The above preliminary amendment is made to insert an abstract page into the application and to enter new claims 34-65 for examination.

Applicant respectfully requests that this preliminary amendment be entered into the record prior to calculation of the filing fee and prior to examination and consideration of the above-identified application.

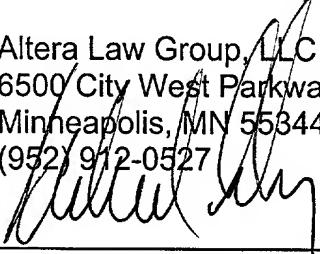
If a telephone conference would be helpful in resolving any issues concerning this communication, please contact Applicant's attorney of record, Michael B. Lasky at 952-912-0527.

Respectfully submitted,

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Date: October 31, 2001

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